

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
Male							
Battelle Northwest	059601105	06/04/01	729	50 (5)	26(676)	540.9	Cumene
Battelle Northwest	058800405	09/13/99	729	50 (5)	31(686)	519.5	Divinylbenzene
Battelle Northwest	059700601	05/25/00	726	50 (5)	32(693)	529.7	Methyl isobutyl ketone
Battelle Northwest	058800603	08/06/01	729	50 (5)	27(680)	537.2	alpha-Methylstyrene
Battelle Northwest	059700805	10/01/01	729	49 (5)	27(683)	525.0	Propargyl alcohol
Battelle Northwest	059600105	01/18/99	729	50 (5)	29(701)	534.2	Stoddard solvent (type IIC)
Female							
Battelle Northwest	059601105	06/04/01	731	50 (5)	21(674)	356.9	Cumene
Battelle Northwest	058800405	09/13/99	731	50 (5)	33(679)	355.3	Divinylbenzene
Battelle Northwest	059700601	05/25/00	727	50 (5)	35(694)	365.6	Methyl isobutyl ketone
Battelle Northwest	058800603	08/06/01	730	50 (5)	27(647)	351.9	alpha-Methylstyrene
Battelle Northwest	059700805	10/01/01	730	50 (5)	29(678)	353.3	Propargyl alcohol
Battelle Northwest	059600105	01/18/99	730	50 (5)	36(696)	363.6	Stoddard solvent (type IIC)

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

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Male												Female					
#All Organs:																	
Benign Tumors																	
		48/50	(96%)	49/50	(98%)	50/50	(100%)			44/50	(88%)	43/50	(86%)	44/50	(88%)		
		48/50	(96%)	48/49	(98%)	50/50	(100%)			43/50	(86%)	42/50	(84%)	37/50	(74%)		
Overall Incidence	Total	293/299 (97.99%)		Mean 97.99%		SD 1.79%		Total	253/300 (84.33%)		Mean 84.33%		SD 5.28%				
#All Organs:																	
Malignant Tumors																	
		36/50	(72%)	29/50	(58%)	31/50	(62%)			24/50	(48%)	17/50	(34%)	22/50	(44%)		
		32/50	(64%)	32/49	(65%)	33/50	(66%)			25/50	(50%)	26/50	(52%)	30/50	(60%)		
Overall Incidence	Total	193/299 (64.55%)		Mean 64.55%		SD 4.65%		Total	144/300 (48%)		Mean 48%		SD 8.67%				
#All Organs:																	
Malignant and Benign Tumors																	
		50/50	(100%)	50/50	(100%)	50/50	(100%)			50/50	(100%)	46/50	(92%)	46/50	(92%)		
		50/50	(100%)	49/49	(100%)	50/50	(100%)			46/50	(92%)	47/50	(94%)	44/50	(88%)		
Overall Incidence	Total	299/299 (100%)		Mean 100%		SD 0%		Total	279/300 (93%)		Mean 93%		SD 3.95%				
#All Organs:																	
Hemangioma																	
		0/50	(0%)	0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	1/299 (0.33%)		Mean 0.33%		SD 0.82%		Total	1/300 (0.33%)		Mean 0.33%		SD 0.82%				
#All Organs:																	
Hemangiosarcoma																	
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	2/50	(4%)	0/50	(0%)		
Overall Incidence	Total	0/299 (0%)		Mean 0%		SD 0%		Total	2/300 (0.67%)		Mean 0.67%		SD 1.63%				

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

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Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male														Female					
#All Organs: Hemangiosarcoma or Hemangioma																			
		0/50	(0%)	0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			1/50	(2%)	2/50	(4%)	0/50	(0%)				
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%		Total	3/300	(1%)	Mean	1%	SD	1.67%				
.....																			
#All Organs: Histiocytic Sarcoma																			
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	2/50	(4%)	2/50	(4%)				
		1/50	(2%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%		Total	4/300	(1.33%)	Mean	1.33%	SD	2.07%				
.....																			
#All Organs: Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated																			
		26/50	(52%)	22/50	(44%)	25/50	(50%)			12/50	(24%)	10/50	(20%)	14/50	(28%)				
		26/50	(52%)	21/49	(43%)	25/50	(50%)			18/50	(36%)	20/50	(40%)	26/50	(52%)				
Overall Incidence	Total	145/299	(48.49%)	Mean	48.48%	SD	4.03%		Total	100/300	(33.33%)	Mean	33.33%	SD	11.78%				
.....																			
#All Organs: Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%		Total	0/300	(0%)	Mean	0%	SD	0%				
.....																			
#All Organs: Mesothelioma: Benign																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%		Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%				

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male														Female					
#All Organs:																			
Mesothelioma: Benign, Malignant, NOS																			
		3/50	(6%)	2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	0/50	(0%)					
Overall Incidence	Total	7/299	(2.34%)	Mean	2.34%	SD	2.34%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
#All Organs:																			
Mesothelioma: Malignant																			
		3/50	(6%)	2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	7/299	(2.34%)	Mean	2.34%	SD	2.34%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#All Organs:																			
Osteoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#All Organs:																			
Osteosarcoma																			
		0/50	(0%)	1/50	(2%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	1/49	(2%)	2/50	(4%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	4/299	(1.34%)	Mean	1.34%	SD	1.64%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
#All Organs:																			
Osteosarcoma or Osteoma																			
		0/50	(0%)	1/50	(2%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	1/49	(2%)	2/50	(4%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	4/299	(1.34%)	Mean	1.34%	SD	1.64%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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Contract/Lab: All Laboratories

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Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Overall Incidence of Adrenal Lesions by Sex														
		Male						Female						
<hr/>														
*Adrenal Cortex: Adenoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			2/50	(4%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	2/300	(0.67%)	Mean	0.67%	SD	1.63%
<hr/>														
*Adrenal Cortex: Carcinoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%
<hr/>														
*Adrenal Medulla: Ganglioneuroma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/49	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%
<hr/>														
*Adrenal Medulla: Hemangioma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/49	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%
<hr/>														
*Adrenal Medulla: Pheochromocytoma Benign														
		7/50	(14%)	12/50	(24%)	8/50	(16%)			1/50	(2%)	2/50	(4%)	
		8/50	(16%)	8/49	(16%)	5/50	(10%)			1/49	(2%)	1/50	(2%)	
Overall Incidence	Total	48/299	(16.05%)	Mean	16.05%	SD	4.56%	Total	10/299	(3.34%)	Mean	3.34%	SD	1.63%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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Length of Study: CHRONIC

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Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Male														Female					
*Adrenal Medulla: Pheochromocytoma Complex																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/49	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
*Adrenal Medulla: Pheochromocytoma Malignant																			
		1/50	(2%)	1/50	(2%)	0/50	(0%)			1/50	(2%)	0/50	(0%)	0/50	(0%)				
		2/50	(4%)	3/49	(6%)	1/50	(2%)			0/49	(0%)	0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	8/299	(2.68%)	Mean	2.69%	SD	2.11%	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%					
.....																			
*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS																			
		7/50	(14%)	13/50	(26%)	8/50	(16%)			3/50	(6%)	2/50	(4%)	3/50	(6%)				
		10/50	(20%)	10/49	(20%)	6/50	(12%)			1/49	(2%)	1/50	(2%)	3/50	(6%)				
Overall Incidence	Total	54/299	(18.06%)	Mean	18.07%	SD	5.09%	Total	13/299	(4.35%)	Mean	4.34%	SD	1.96%					
.....																			
#Blood Vessel: Osteosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#Bone: Chondrosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Male														Female					
#Bone: Chondrosarcoma or Chondroma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#Bone: Chordoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#Bone: Osteoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#Bone: Osteosarcoma																			
		0/50	(0%)	1/50	(2%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	1/49	(2%)	2/50	(4%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	4/299	(1.34%)	Mean	1.34%	SD	1.64%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
#Bone: Osteosarcoma or Osteoma																			
		0/50	(0%)	1/50	(2%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	1/49	(2%)	2/50	(4%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	4/299	(1.34%)	Mean	1.34%	SD	1.64%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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Male														Female													
*Brain:																											
Astrocytoma Malignant																											
		0/50		(0%)		0/49		(0%)		0/50		(0%)				0/50		(0%)		0/50		(0%)		0/50		(0%)	
		0/50		(0%)		0/49		(0%)		1/50		(2%)				1/50		(2%)		0/50		(0%)		0/49		(0%)	
Overall Incidence	Total	1/298	(0.34%)			Mean	0.33%			SD	0.82%			Total	1/299	(0.33%)			Mean	0.33%			SD	0.82%			
.....																											
*Brain:																											
Ependymoma Benign																											
		0/50		(0%)		0/49		(0%)		0/50		(0%)				0/50		(0%)		0/50		(0%)		0/50		(0%)	
		0/50		(0%)		0/49		(0%)		0/50		(0%)				0/50		(0%)		0/50		(0%)		0/49		(0%)	
Overall Incidence	Total	0/298	(0%)			Mean	0%			SD	0%			Total	0/299	(0%)			Mean	0%			SD	0%			
.....																											
*Brain:																											
Glioma Malignant																											
		0/50		(0%)		0/49		(0%)		0/50		(0%)				1/50		(2%)		0/50		(0%)		0/50		(0%)	
		0/50		(0%)		0/49		(0%)		0/50		(0%)				1/50		(2%)		0/50		(0%)		0/49		(0%)	
Overall Incidence	Total	0/298	(0%)			Mean	0%			SD	0%			Total	2/299	(0.67%)			Mean	0.67%			SD	1.03%			
.....																											
*Brain:																											
Granular Cell Tumor Benign																											
		0/50		(0%)		0/49		(0%)		0/50		(0%)				0/50		(0%)		0/50		(0%)		0/50		(0%)	
		0/50		(0%)		0/49		(0%)		0/50		(0%)				0/50		(0%)		0/50		(0%)		0/49		(0%)	
Overall Incidence	Total	0/298	(0%)			Mean	0%			SD	0%			Total	0/299	(0%)			Mean	0%			SD	0%			
.....																											
*Brain:																											
Medulloblastoma Mal																											
		0/50		(0%)		0/49		(0%)		0/50		(0%)				0/50		(0%)		0/50		(0%)		0/50		(0%)	
		1/50		(2%)		0/49		(0%)		0/50		(0%)				0/50		(0%)		0/50		(0%)		0/49		(0%)	
Overall Incidence	Total	1/298	(0.34%)			Mean	0.33%			SD	0.82%			Total	0/299	(0%)			Mean	0%			SD	0%			

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Vehicle: AIR

Report Date:10/04/2007

Male										Female					
*Brain: Meningioma Malignant															
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	0/298	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%	
.....															
*Brain: Meningioma: Benign, Malignant, NOS															
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	0/298	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%	
.....															
*Brain: Oligodendroglioma Benign															
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	0/298	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%	
.....															
*Brain: Oligodendroglioma Malignant															
		0/50	(0%)	0/49	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	0/298	(0%)	Mean	0%	SD	0%	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	
.....															
*Brain: Oligodendroglioma, Glioma, or Astrocytoma															
		0/50	(0%)	0/49	(0%)	0/50	(0%)		2/50	(4%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	1/50	(2%)		2/50	(4%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	1/298	(0.34%)	Mean	0.33%	SD	0.82%	Total	4/299	(1.34%)	Mean	1.33%	SD	2.07%	

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

Page: 123

Report Date:10/04/2007

Male														Female													
*Clitoral/Preputial Gland: Adenoma																											
		0/50 (0%)		0/48 (0%)		0/50 (0%)				1/50 (2%)		0/50 (0%)		0/50 (0%)													
		0/50 (0%)		3/49 (6%)		0/50 (0%)				0/50 (0%)		4/50 (8%)		0/49 (0%)													
Overall Incidence	Total	3/297	(1.01%)	Mean	1.02%	SD	2.5%	Total	5/299	(1.67%)	Mean	1.67%	SD	3.2%													
*Clitoral/Preputial Gland: Carcinoma																											
		0/50 (0%)		0/48 (0%)		1/50 (2%)				2/50 (4%)		0/50 (0%)		1/50 (2%)													
		2/50 (4%)		0/49 (0%)		0/50 (0%)				1/50 (2%)		0/50 (0%)		1/49 (2%)													
Overall Incidence	Total	3/297	(1.01%)	Mean	1%	SD	1.67%	Total	5/299	(1.67%)	Mean	1.67%	SD	1.51%													
*Clitoral/Preputial Gland: Carcinoma or Adenoma																											
		0/50 (0%)		0/48 (0%)		1/50 (2%)				3/50 (6%)		0/50 (0%)		1/50 (2%)													
		2/50 (4%)		3/49 (6%)		0/50 (0%)				1/50 (2%)		4/50 (8%)		1/49 (2%)													
Overall Incidence	Total	6/297	(2.02%)	Mean	2.02%	SD	2.57%	Total	10/299	(3.34%)	Mean	3.34%	SD	3.01%													
*Clitoral/Preputial Gland: Fibrosarcoma																											
		0/50 (0%)		0/48 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)													
		0/50 (0%)		0/49 (0%)		0/50 (0%)				1/50 (2%)		0/50 (0%)		0/49 (0%)													
Overall Incidence	Total	0/297	(0%)	Mean	0%	SD	0%	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%													
*Clitoral/Preputial Gland: Squamous Cell Papilloma																											
		0/50 (0%)		0/48 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)													
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/49 (0%)													
Overall Incidence	Total	0/297	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%													

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Vehicle: AIR

Report Date:10/04/2007

Male														Female					
#Ear:																			
Neural Crest Tumor																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total	0/300	(0%)	Mean	0%	SD	0%					
#Esophagus:																			
Fibrosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%					
#Eye:																			
Amelanotic Melanoma, Benign																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
#Eye:																			
Melanoma Benign																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
#Eye:																			
Schwannoma Malignant																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Vehicle: AIR

Report Date:10/04/2007

Male										Female					
#Harderian Gland: Adenoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%
.....															
#Harderian Gland: Carcinoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%
.....															
#Harderian Gland: Carcinoma or Adenoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%
.....															
*Heart: Schwannoma Benign															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/49	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total		0/299	(0%)	Mean	0%	SD	0%
.....															
*Heart: Schwannoma Malignant															
		0/50	(0%)	0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/299	(0%)	Mean	0%	SD	0%

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Vehicle: AIR

Report Date:10/04/2007

		Male						Female						
#Intestine Large: Colon/Rectum: Adenoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Intestine Large: Colon/Rectum: Carcinoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Intestine Large: Colon/Rectum: Carcinoma or Adenoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Intestine Large: Colon/Rectum: Leiomyosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Duodenum: Carcinoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

Page: 127

Report Date:10/04/2007

Male										Female					
#Intestine Small: Duodenum: Leiomyoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%	
#Intestine Small: Jejunum: Leiomyoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%	
#Intestine Small: Jejunum: Leiomyosarcoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%	
#Intestine Small: Site Unspecified: Carcinoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%	
#Intestine Small: Site Unspecified: Carcinoma or Adenoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male														Female					
#Intestine Small: Site Unspecified: Leiomyoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#Intestine Small: Site Unspecified: Leiomyosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
*Islets, Pancreatic: Adenoma																			
		1/50	(2%)	5/50	(10%)	3/50	(6%)			1/50	(2%)	1/50	(2%)	0/50	(0%)				
		3/50	(6%)	4/49	(8%)	3/50	(6%)			3/50	(6%)	1/50	(2%)	1/49	(2%)				
Overall Incidence	Total	19/299	(6.35%)	Mean	6.36%	SD	2.68%	Total	7/299	(2.34%)	Mean	2.34%	SD	1.97%					
.....																			
*Islets, Pancreatic: Carcinoma																			
		2/50	(4%)	1/50	(2%)	4/50	(8%)			1/50	(2%)	0/50	(0%)	0/50	(0%)				
		1/50	(2%)	5/49	(10%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	14/299	(4.68%)	Mean	4.7%	SD	3.56%	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
*Islets, Pancreatic: Carcinoma or Adenoma																			
		3/50	(6%)	6/50	(12%)	7/50	(14%)			2/50	(4%)	1/50	(2%)	0/50	(0%)				
		4/50	(8%)	9/49	(18%)	4/50	(8%)			3/50	(6%)	1/50	(2%)	1/49	(2%)				
Overall Incidence	Total	33/299	(11.04%)	Mean	11.06%	SD	4.63%	Total	8/299	(2.68%)	Mean	2.67%	SD	2.06%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Vehicle: AIR

Report Date:10/04/2007

Male										Female					
*Kidney: Pelvis and Transitional Epithelium: Carcinoma															
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/49	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/298	(0%)	Mean	0%	SD	0%
.....															
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma															
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/49	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/298	(0%)	Mean	0%	SD	0%
.....															
*Kidney: Pelvis and Transitional Epithelium: Papilloma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/49	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/298	(0%)	Mean	0%	SD	0%
.....															
*Kidney: Renal Tubule: Adenoma															
		1/50	(2%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/49	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/298	(0%)	Mean	0%	SD	0%
.....															
*Kidney: Renal Tubule: Carcinoma															
		1/50	(2%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	1/50	(2%)			0/49	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%	Total		0/298	(0%)	Mean	0%	SD	0%

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

Page: 130

Report Date:10/04/2007

Male														Female					
*Kidney: Renal Tubule: Carcinoma or Adenoma																			
		2/50	(4%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	1/50	(2%)		0/49	(0%)	0/50	(0%)	0/49	(0%)					
Overall Incidence	Total	3/299	(1%)	Mean	1%	SD	1.67%	Total	0/298	(0%)	Mean	0%	SD	0%					
.....																			
*Kidney: Renal Tubule: Hemangiosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/49	(0%)	0/50	(0%)	0/49	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/298	(0%)	Mean	0%	SD	0%					
.....																			
*Kidney: Renal Tubule: Lipoma																			
		1/50	(2%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/49	(0%)	0/50	(0%)	0/49	(0%)					
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/298	(0%)	Mean	0%	SD	0%					
.....																			
*Kidney: Renal Tubule: Liposarcoma																			
		0/50	(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/49	(0%)	0/50	(0%)	0/49	(0%)					
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/298	(0%)	Mean	0%	SD	0%					
.....																			
*Kidney: Renal Tubule: Mesenchymal Tumor Benign																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/49	(0%)	0/50	(0%)	0/49	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/298	(0%)	Mean	0%	SD	0%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Vehicle: AIR

Report Date:10/04/2007

Male												Female											
*Kidney: Renal Tubule: Nephroblastoma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)	
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/49 (0%)		0/50 (0%)		0/50 (0%)		0/49 (0%)				0/49 (0%)		0/50 (0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%		Total	0/298	(0%)	Mean	0%	SD	0%								
*Kidney: Renal Tubule: Sarcoma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)	
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/49 (0%)		0/50 (0%)		0/50 (0%)		0/49 (0%)				0/49 (0%)		0/50 (0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%		Total	0/298	(0%)	Mean	0%	SD	0%								
*Liver: Cholangiocarcinoma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)	
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/49 (0%)				0/49 (0%)		0/50 (0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%		Total	0/299	(0%)	Mean	0%	SD	0%								
*Liver: Cholangioma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)	
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/49 (0%)				0/49 (0%)		0/50 (0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%		Total	0/299	(0%)	Mean	0%	SD	0%								
*Liver: Hemangiosarcoma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)	
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/49 (0%)				0/49 (0%)		0/50 (0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%		Total	0/299	(0%)	Mean	0%	SD	0%								

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

Page: 132

Report Date:10/04/2007

Male								Female							
*Liver:															
Hepatocellular Adenoma															
		0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/299	(0%)	Mean	0%	SD	0%	
.....															
*Liver:															
Hepatocellular Carcinoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total	0/299	(0%)	Mean	0%	SD	0%	
.....															
*Liver:															
Hepatocellular Carcinoma or Hepatoblastoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total	0/299	(0%)	Mean	0%	SD	0%	
.....															
*Liver:															
Hepatocellular Carcinoma or Hepatocellular Adenoma															
		0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.04%	Total	0/299	(0%)	Mean	0%	SD	0%	
.....															
*Liver:															
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma															
		0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.04%	Total	0/299	(0%)	Mean	0%	SD	0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

		Male						Female						
*Lung: Alveolar/Bronchiolar Adenoma														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	1/49	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	3/299	(1%)	Mean	1.01%	SD	1.1%	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%
.....														
*Lung: Alveolar/Bronchiolar Carcinoma														
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/49	(0%)	
Overall Incidence	Total	3/299	(1%)	Mean	1%	SD	1.1%	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%
.....														
*Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma														
		2/50	(4%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	1/49	(2%)	2/50	(4%)	0/50	(0%)	1/50	(2%)	0/49	(0%)	
Overall Incidence	Total	6/299	(2.01%)	Mean	2.01%	SD	1.79%	Total	3/299	(1%)	Mean	1%	SD	1.1%
.....														
*Lung: Hemangiosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%
.....														
*Lung: Sarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%
.....														

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

Page: 134

Report Date:10/04/2007

Male														Female					
*Lung:																			
Squamous Cell Carcinoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		1/50	(2%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/299	(0%)	Mean	0%	SD	0%				
#Lymph Node, Mesenteric:																			
Sarcoma																			
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/300	(0%)	Mean	0%	SD	0%				
#Mammary Gland:																			
Adenoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	2/49	(4%)	0/50	(0%)			0/50	(0%)	3/50	(6%)	0/50	(0%)				
Overall Incidence	Total	2/299	(0.67%)	Mean	0.68%	SD	1.67%	Total		3/300	(1%)	Mean	1%	SD	2.45%				
#Mammary Gland:																			
Carcinoma																			
		2/50	(4%)	1/50	(2%)	2/50	(4%)			10/50	(20%)	3/50	(6%)	5/50	(10%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			3/50	(6%)	7/50	(14%)	4/50	(8%)				
Overall Incidence	Total	5/299	(1.67%)	Mean	1.67%	SD	1.97%	Total		32/300	(10.67%)	Mean	10.67%	SD	5.47%				
#Mammary Gland:																			
Carcinoma or Adenoma																			
		2/50	(4%)	1/50	(2%)	2/50	(4%)			10/50	(20%)	3/50	(6%)	5/50	(10%)				
		0/50	(0%)	2/49	(4%)	0/50	(0%)			3/50	(6%)	10/50	(20%)	4/50	(8%)				
Overall Incidence	Total	7/299	(2.34%)	Mean	2.35%	SD	1.98%	Total		35/300	(11.67%)	Mean	11.67%	SD	6.62%				

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

Page: 135

Report Date:10/04/2007

		Male						Female						
#Mammary Gland: Fibroadenoma														
		0/50	(0%)	1/50	(2%)	2/50	(4%)	24/50	(48%)	20/50	(40%)	22/50	(44%)	
		1/50	(2%)	1/49	(2%)	3/50	(6%)	22/50	(44%)	26/50	(52%)	19/50	(38%)	
Overall Incidence	Total	8/299	(2.68%)	Mean	2.67%	SD	2.06%	Total	133/300	(44.33%)	Mean	44.33%	SD	5.13%
.....														
#Mammary Gland: Fibroma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Mammary Gland: Fibroma, Fibroadenoma or Adenoma														
		0/50	(0%)	1/50	(2%)	2/50	(4%)	24/50	(48%)	20/50	(40%)	22/50	(44%)	
		1/50	(2%)	3/49	(6%)	3/50	(6%)	22/50	(44%)	28/50	(56%)	19/50	(38%)	
Overall Incidence	Total	10/299	(3.34%)	Mean	3.35%	SD	2.45%	Total	135/300	(45%)	Mean	45%	SD	6.42%
.....														
#Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or Adenoma														
		2/50	(4%)	1/50	(2%)	4/50	(8%)	31/50	(62%)	22/50	(44%)	26/50	(52%)	
		1/50	(2%)	3/49	(6%)	3/50	(6%)	24/50	(48%)	31/50	(62%)	23/50	(46%)	
Overall Incidence	Total	14/299	(4.68%)	Mean	4.69%	SD	2.44%	Total	157/300	(52.33%)	Mean	52.33%	SD	7.94%
.....														
#Mesentery: Fibrosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

		Male						Female						
#Mesentery: Hemangiosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Mesentery: Osteosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Mesentery: Rhabdomyosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
*Nose: Adenoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	1/50	(2%)		0/49	(0%)	0/49	(0%)	0/49	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/297	(0%)	Mean	0%	SD	0%
.....														
*Nose: Chondroma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/49	(0%)	0/49	(0%)	0/49	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	1/297	(0.34%)	Mean	0.33%	SD	0.82%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

Page: 137

Report Date:10/04/2007

Male												Female					
*Nose:																	
Sarcoma																	
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/49	(0%)	0/49	(0%)	0/49	(0%)			
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/297	(0%)	Mean	0%	SD	0%			
.....																	
*Nose:																	
Squamous Cell Carcinoma																	
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/49	(0%)	0/49	(0%)	0/49	(0%)			
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/297	(0%)	Mean	0%	SD	0%			
.....																	
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):																	
Papilloma Squamous or Papilloma																	
		0/50	(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/300	(0%)	Mean	0%	SD	0%			
.....																	
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):																	
Squamous Cell Carcinoma																	
		0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/300	(0%)	Mean	0%	SD	0%			
.....																	
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):																	
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma																	
		0/50	(0%)	1/50	(2%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%	Total	0/300	(0%)	Mean	0%	SD	0%			

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Vehicle: AIR

Report Date:10/04/2007

Male										Female					
#Oral Mucosa: Squamous Cell Carcinoma															
		0/50	(0%)	0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/300	(0%)	Mean	0%	SD	0%
.....															
#Oral Mucosa: Squamous Cell Papilloma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%
.....															
*Ovary: Granulosa Cell Tumor Benign															
										0/50	(0%)	0/50	(0%)	0/50	(0%)
										0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total		0/300	(0%)	Mean	0%	SD	0%
.....															
*Ovary: Granulosa Cell Tumor Malignant															
										0/50	(0%)	0/50	(0%)	0/50	(0%)
										1/50	(2%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total		1/300	(0.33%)	Mean	0.33%	SD	0.82%
.....															
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS															
										0/50	(0%)	0/50	(0%)	0/50	(0%)
										1/50	(2%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total		1/300	(0.33%)	Mean	0.33%	SD	0.82%

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Vehicle: AIR

Report Date:10/04/2007

Male								Female							
*Ovary:															
Granulosa-Theca Tumor Benign															
		0/50 0/50		(0%) (0%)		0/50 0/49		(0%) (0%)		0/50 0/50		(0%) (0%)			
Overall Incidence		Total	0/300	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....															
*Pancreas:															
Adenoma															
		0/50 0/50		(0%) (0%)		0/50 0/49		(0%) (0%)		0/50 0/50		(0%) (0%)			
Overall Incidence		Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%
.....															
*Pancreas:															
Carcinoma															
		0/50 0/50		(0%) (0%)		0/50 0/49		(0%) (0%)		0/50 0/50		(0%) (0%)			
Overall Incidence		Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%
.....															
*Pancreas:															
Carcinoma or Adenoma															
		0/50 0/50		(0%) (0%)		0/50 0/49		(0%) (0%)		0/50 0/50		(0%) (0%)			
Overall Incidence		Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%
.....															
*Pancreas:															
Mixed Tumor Benign															
		0/50 0/50		(0%) (0%)		0/50 2/49		(0%) (4%)		0/50 0/50		(0%) (0%)			
Overall Incidence		Total	2/299	(0.67%)	Mean	0.68%	SD	1.67%	Total	0/299	(0%)	Mean	0%	SD	0%

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male														Female					
*Parathyroid Gland: Adenoma																			
		0/45	(0%)	0/46	(0%)	0/49	(0%)			0/49	(0%)	0/49	(0%)	0/46	(0%)				
		0/47	(0%)	0/47	(0%)	0/50	(0%)			0/43	(0%)	0/49	(0%)	0/49	(0%)				
Overall Incidence	Total	0/284	(0%)	Mean	0%	SD	0%	Total	0/285	(0%)	Mean	0%	SD	0%					
.....																			
#Peripheral Nerve: Schwannoma Malignant																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#Peripheral Nerve: Schwannoma: Benign, Malignant, NOS																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
*Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma																			
		36/50	(72%)	36/50	(72%)	35/50	(70%)			35/50	(70%)	37/50	(74%)	24/49	(49%)				
		34/49	(69%)	36/49	(73%)	38/50	(76%)			35/50	(70%)	30/50	(60%)	27/49	(55%)				
Overall Incidence	Total	215/298	(72.15%)	Mean	72.14%	SD	2.4%	Total	188/298	(63.09%)	Mean	63.01%	SD	9.87%					
.....																			
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)	0/49	(0%)				
		0/49	(0%)	0/49	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	1/298	(0.34%)	Mean	0.33%	SD	0.82%	Total	1/298	(0.34%)	Mean	0.33%	SD	0.82%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Vehicle: AIR

Report Date:10/04/2007

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male												Female											
*Prostate: Carcinoma or Adenoma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)																	
		0/50 (0%)		0/49 (0%)		0/50 (0%)																	
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%																
*Salivary Glands: Sarcoma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)			
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/49 (0%)		0/50 (0%)		0/49 (0%)			
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%									
*Salivary Glands: Schwannoma Malignant																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)			
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/49 (0%)		0/50 (0%)		0/49 (0%)			
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%									
#Skeletal Muscle: Fibrosarcoma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)			
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)			
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%									
#Skeletal Muscle: Hemangioma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)			
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)			
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

		Male						Female						
#Skeletal Muscle: Hemangiosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Skeletal Muscle: Lipoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Skeletal Muscle: Rhabdomyosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%
.....														
#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%
.....														
#Skeletal Muscle: Sarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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Report Date:10/04/2007

Male										Female											
#Skin:																					
Basal Cell Adenoma																					
		1/50	(2%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		1/50	(2%)	1/49	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	3/299	(1%)	Mean	1.01%	SD	1.1%	Total		0/300	(0%)	Mean	0%	SD	0%						
#Skin:																					
Basal Cell Adenoma or Basosquamous Tumor Benign																					
		1/50	(2%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		1/50	(2%)	1/49	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	3/299	(1%)	Mean	1.01%	SD	1.1%	Total		0/300	(0%)	Mean	0%	SD	0%						
#Skin:																					
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma																					
		1/50	(2%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		1/50	(2%)	1/49	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	4/299	(1.34%)	Mean	1.34%	SD	1.04%	Total		1/300	(0.33%)	Mean	0.33%	SD	0.82%						
#Skin:																					
Basal Cell Carcinoma																					
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%						
#Skin:																					
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)																					
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%						

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male														Female					
#Skin:																			
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma																			
		1/50	(2%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		1/50	(2%)	1/49	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)	0/50	(0%)				
Overall Incidence	Total	4/299	(1.34%)	Mean	1.34%	SD	1.04%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
#Skin:																			
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma																			
		5/50	(10%)	2/50	(4%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		2/50	(4%)	5/49	(10%)	1/50	(2%)			0/50	(0%)	1/50	(2%)	1/50	(2%)				
Overall Incidence	Total	15/299	(5.02%)	Mean	5.03%	SD	4.2%	Total	2/300	(0.67%)	Mean	0.67%	SD	1.03%					
.....																			
#Skin:																			
Fibroma																			
		3/50	(6%)	5/50	(10%)	4/50	(8%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		4/50	(8%)	3/49	(6%)	2/50	(4%)			1/50	(2%)	1/50	(2%)	0/50	(0%)				
Overall Incidence	Total	21/299	(7.02%)	Mean	7.02%	SD	2.09%	Total	2/300	(0.67%)	Mean	0.67%	SD	1.03%					
.....																			
#Skin:																			
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma																			
		3/50	(6%)	6/50	(12%)	5/50	(10%)			1/50	(2%)	0/50	(0%)	0/50	(0%)				
		5/50	(10%)	4/49	(8%)	3/50	(6%)			1/50	(2%)	2/50	(4%)	0/50	(0%)				
Overall Incidence	Total	26/299	(8.7%)	Mean	8.69%	SD	2.41%	Total	4/300	(1.33%)	Mean	1.33%	SD	1.63%					
.....																			
#Skin:																			
Fibrosarcoma																			
		0/50	(0%)	0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		1/50	(2%)	1/49	(2%)	1/50	(2%)			0/50	(0%)	1/50	(2%)	0/50	(0%)				
Overall Incidence	Total	4/299	(1.34%)	Mean	1.34%	SD	1.04%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

Male										Female											
#Skin:																					
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma																					
		0/50	(0%)	1/50	(2%)	1/50	(2%)			1/50	(2%)	0/50	(0%)	0/50	(0%)						
		1/50	(2%)	1/49	(2%)	1/50	(2%)			0/50	(0%)	1/50	(2%)	0/50	(0%)						
Overall Incidence	Total	5/299	(1.67%)	Mean	1.67%	SD	0.82%	Total		2/300	(0.67%)	Mean	0.67%	SD	1.03%						
#Skin:																					
Fibrous Histiocytoma																					
		0/50	(0%)	1/50	(2%)	0/50	(0%)			1/50	(2%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		1/300	(0.33%)	Mean	0.33%	SD	0.82%						
#Skin:																					
Hemangioma																					
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%						
#Skin:																					
Hemangiosarcoma																					
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%						
#Skin:																					
Keratoacanthoma																					
		4/50	(8%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
		1/50	(2%)	4/49	(8%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	1/50	(2%)						
Overall Incidence	Total	9/299	(3.01%)	Mean	3.03%	SD	3.99%	Total		1/300	(0.33%)	Mean	0.33%	SD	0.82%						

#: Denominator is number of animals with tissues examined microscopically
*: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

Page: 147
Report Date:10/04/2007

Male										Female											
#Skin:																					
Lipoma																					
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
		1/50	(2%)	2/49	(4%)	2/50	(4%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	6/299	(2.01%)	Mean	2.01%	SD	1.81%	Total		0/300	(0%)	Mean	0%	SD	0%						
.....																					
#Skin:																					
Liposarcoma																					
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%						
.....																					
#Skin:																					
Neural Crest Tumor																					
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%						
.....																					
#Skin:																					
Neurofibroma or Schwannoma benign																					
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	1/50	(2%)						
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		1/300	(0.33%)	Mean	0.33%	SD	0.82%						
.....																					
#Skin:																					
Neurofibrosarcoma or Schwannoma (malignant or NOS)																					
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	1/49	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total		0/300	(0%)	Mean	0%	SD	0%						

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

		Male						Female						
#Skin: Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%
.....														
#Skin: Osteosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Skin: Sarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Skin: Schwannoma Benign														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%
.....														
#Skin: Schwannoma Malignant														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male												Female					
#Skin:																	
Squamous Cell Carcinoma																	
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%			
.....																	
#Skin:																	
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma																	
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%			
.....																	
#Skin:																	
Squamous Cell Papilloma																	
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%	Total	0/300	(0%)	Mean	0%	SD	0%			
.....																	
#Skin:																	
Squamous Cell Papilloma or Papilloma																	
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%	Total	0/300	(0%)	Mean	0%	SD	0%			
.....																	
#Skin:																	
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma																	
		4/50	(8%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(2%)	4/49	(8%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	1/50	(2%)		
Overall Incidence	Total	11/299	(3.68%)	Mean	3.69%	SD	3.49%	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%			

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Vehicle: AIR

Report Date:10/04/2007

Male												Female											
#Skin:																							
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma																							
		4/50 (8%)		1/50 (2%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (2%)			
		1/50 (2%)		4/49 (8%)		1/50 (2%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				1/50 (2%)					
Overall Incidence	Total	11/299	(3.68%)	Mean	3.69%	SD	3.49%		Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%								
#Skin:																							
Trichoepithelioma																							
		0/50 (0%)		1/50 (2%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)			
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		1/50 (2%)		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%		Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%								
#Skin: Sebaceous Gland:																							
Adenoma																							
		1/50 (2%)		0/50 (0%)		1/50 (2%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)			
		0/50 (0%)		1/49 (2%)		3/50 (6%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	6/299	(2.01%)	Mean	2.01%	SD	2.19%		Total	0/300	(0%)	Mean	0%	SD	0%								
#Skin: Sebaceous Gland:																							
Carcinoma																							
		0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)			
		0/50 (0%)		0/49 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%		Total	0/300	(0%)	Mean	0%	SD	0%								
#Skin: Sebaceous Gland:																							
Carcinoma or Adenoma																							
		1/50 (2%)		0/50 (0%)		1/50 (2%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)		0/50 (0%)			
		0/50 (0%)		1/49 (2%)		3/50 (6%)				0/50 (0%)		0/50 (0%)		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	6/299	(2.01%)	Mean	2.01%	SD	2.19%		Total	0/300	(0%)	Mean	0%	SD	0%								

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male														Female					
#Spinal Cord:																			
Astrocytoma Benign																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#Spleen:																			
Fibrosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/299	(0%)	Mean	0%	SD	0%					
.....																			
#Spleen:																			
Hemangioma																			
		0/50	(0%)	0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/299	(0%)	Mean	0%	SD	0%					
.....																			
#Spleen:																			
Hemangiosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)	0/49	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
#Spleen:																			
Leiomyosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		1/50	(2%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/49	(0%)				
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/299	(0%)	Mean	0%	SD	0%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Vehicle: AIR

Report Date:10/04/2007

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

		Male						Female						
#Stomach, Glandular: Leiomyosarcoma														
		0/50	(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
#Stomach, Glandular: Lipoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%
.....														
*Testes: Adenoma														
		36/50	(72%)	38/50	(76%)	42/50	(84%)							
		33/50	(66%)	38/49	(78%)	41/50	(82%)							
Overall Incidence	Total	228/299	(76.25%)	Mean	76.26%	SD	6.6%							
.....														
*Thymus: Sarcoma														
		0/49	(0%)	0/48	(0%)	0/49	(0%)		0/48	(0%)	0/45	(0%)	0/47	(0%)
		0/42	(0%)	0/47	(0%)	0/49	(0%)		0/50	(0%)	0/46	(0%)	0/47	(0%)
Overall Incidence	Total	0/284	(0%)	Mean	0%	SD	0%	Total	0/283	(0%)	Mean	0%	SD	0%
.....														
*Thymus: Thymoma Benign														
		0/49	(0%)	0/48	(0%)	0/49	(0%)		0/48	(0%)	0/45	(0%)	0/47	(0%)
		0/42	(0%)	1/47	(2%)	0/49	(0%)		1/50	(2%)	0/46	(0%)	0/47	(0%)
Overall Incidence	Total	1/284	(0.35%)	Mean	0.35%	SD	0.87%	Total	1/283	(0.35%)	Mean	0.33%	SD	0.82%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male														Female					
*Thymus:																			
Thymoma Malignant																			
		0/49	(0%)	0/48	(0%)	0/49	(0%)		0/48	(0%)	0/45	(0%)	0/47	(0%)					
		0/42	(0%)	0/47	(0%)	1/49	(2%)		0/50	(0%)	0/46	(0%)	0/47	(0%)					
Overall Incidence	Total	1/284	(0.35%)	Mean	0.34%	SD	0.83%	Total	0/283	(0%)	Mean	0%	SD	0%					
.....																			
*Thymus:																			
Thymoma: Benign, Malignant, NOS																			
		0/49	(0%)	0/48	(0%)	0/49	(0%)		0/48	(0%)	0/45	(0%)	0/47	(0%)					
		0/42	(0%)	1/47	(2%)	1/49	(2%)		1/50	(2%)	0/46	(0%)	0/47	(0%)					
Overall Incidence	Total	2/284	(0.7%)	Mean	0.69%	SD	1.08%	Total	1/283	(0.35%)	Mean	0.33%	SD	0.82%					
.....																			
*Thyroid Gland: C-Cell:																			
Adenoma																			
		3/50	(6%)	2/50	(4%)	1/50	(2%)		3/50	(6%)	0/50	(0%)	3/50	(6%)					
		3/49	(6%)	4/49	(8%)	7/50	(14%)		2/50	(4%)	3/50	(6%)	3/49	(6%)					
Overall Incidence	Total	20/298	(6.71%)	Mean	6.71%	SD	4.14%	Total	14/299	(4.68%)	Mean	4.69%	SD	2.44%					
.....																			
*Thyroid Gland: C-Cell:																			
Carcinoma																			
		1/50	(2%)	1/50	(2%)	2/50	(4%)		0/50	(0%)	1/50	(2%)	1/50	(2%)					
		0/49	(0%)	3/49	(6%)	2/50	(4%)		1/50	(2%)	2/50	(4%)	1/49	(2%)					
Overall Incidence	Total	9/298	(3.02%)	Mean	3.02%	SD	2.13%	Total	6/299	(2.01%)	Mean	2.01%	SD	1.27%					
.....																			
*Thyroid Gland: C-Cell:																			
Carcinoma or Adenoma																			
		3/50	(6%)	3/50	(6%)	3/50	(6%)		3/50	(6%)	1/50	(2%)	4/50	(8%)					
		3/49	(6%)	7/49	(14%)	9/50	(18%)		3/50	(6%)	5/50	(10%)	4/49	(8%)					
Overall Incidence	Total	28/298	(9.4%)	Mean	9.4%	SD	5.35%	Total	20/299	(6.69%)	Mean	6.69%	SD	2.75%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male														Female					
*Thyroid Gland: Follicular Cell: Adenoma																			
		0/50	(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	1/50	(2%)					
		0/49	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)					
Overall Incidence	Total	2/298	(0.67%)	Mean	0.67%	SD	1.04%	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
*Thyroid Gland: Follicular Cell: Carcinoma																			
		2/50	(4%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/49	(0%)	0/49	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/49	(0%)					
Overall Incidence	Total	4/298	(1.34%)	Mean	1.33%	SD	1.63%	Total	0/299	(0%)	Mean	0%	SD	0%					
.....																			
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma																			
		2/50	(4%)	1/50	(2%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	1/50	(2%)					
		0/49	(0%)	1/49	(2%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/49	(0%)					
Overall Incidence	Total	6/298	(2.01%)	Mean	2.01%	SD	1.27%	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%					
.....																			
#Tissue NOS: Fibrosarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					
.....																			
#Tissue NOS: Leiomyoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
		0/50	(0%)	0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)					
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	0/300	(0%)	Mean	0%	SD	0%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Vehicle: AIR

Report Date:10/04/2007

Male														Female					
#Tissue NOS: Lipoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	1/49	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/299	(0.33%)	Mean	0.34%	SD	0.83%	Total		0/300	(0%)	Mean	0%	SD	0%				
.....																			
#Tissue NOS: Paraganglioma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%				
.....																			
#Tissue NOS: Sarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%				
.....																			
#Tissue NOS: Schwannoma Malignant																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%				
.....																			
#Tongue: Liposarcoma																			
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%				

#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

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Report Date:10/04/2007

Male										Female					
#Tongue:															
Squamous Cell Carcinoma or Papilloma Squamous															
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/300	(0%)	Mean	0%	SD	0%
.....															
#Tongue:															
Squamous Cell Papilloma															
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		0/300	(0%)	Mean	0%	SD	0%
.....															
#Tooth:															
Odontoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/300	(0%)	Mean	0%	SD	0%
.....															
*Urinary Bladder:															
Carcinoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)	0/49	(0%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total		0/298	(0%)	Mean	0%	SD	0%
.....															
*Urinary Bladder:															
Carcinoma or Papilloma															
		0/50	(0%)	0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)	1/49	(2%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total		1/298	(0.34%)	Mean	0.34%	SD	0.83%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Vehicle: AIR

Report Date:10/04/2007

Male										Female					
*Urinary Bladder: Leiomyosarcoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)	1/49	(2%)
Overall Incidence	Total	0/299	(0%)	Mean	0%	SD	0%	Total	2/298	(0.67%)	Mean	0.67%	SD	1.04%	
.....															
*Urinary Bladder: Papilloma															
		0/50	(0%)	0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)	1/49	(2%)
Overall Incidence	Total	1/299	(0.33%)	Mean	0.33%	SD	0.82%	Total	1/298	(0.34%)	Mean	0.34%	SD	0.83%	
.....															
#Uterus: Adenoma															
										0/50	(0%)	1/50	(2%)	0/50	(0%)
										0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%	
.....															
#Uterus: Carcinoma															
										0/50	(0%)	0/50	(0%)	0/50	(0%)
										0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total	0/300	(0%)	Mean	0%	SD	0%	
.....															
#Uterus: Deciduoma Benign															
										0/50	(0%)	0/50	(0%)	0/50	(0%)
										0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total	0/300	(0%)	Mean	0%	SD	0%	

#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

Male			Female				
#Uterus:							
Hemangioma							
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%
.....							
#Uterus:							
Hemangiosarcoma							
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)
Overall Incidence	Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%
.....							
#Uterus:							
Leiomyoma							
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/300	(0%)	Mean	0%	SD	0%
.....							
#Uterus:							
Polyp Stromal							
		13/50	(26%)	9/50	(18%)	12/50	(24%)
		6/50	(12%)	12/50	(24%)	10/50	(20%)
Overall Incidence	Total	62/300	(20.67%)	Mean	20.67%	SD	5.16%
.....							
#Uterus:							
Sarcoma Stromal							
		1/50	(2%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	3/300	(1%)	Mean	1%	SD	1.1%
.....							

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Vehicle: AIR

Report Date:10/04/2007

Male										Female									
#Uterus:																			
Sarcoma Stromal or Polyp Stromal																			
										14/50	(28%)	9/50	(18%)	13/50	(26%)				
										6/50	(12%)	12/50	(24%)	11/50	(22%)				
Overall Incidence										Total	65/300	(21.67%)	Mean	21.67%	SD	5.85%			
.....																			
#Uterus:																			
Schwannoma Malignant																			
										0/50	(0%)	0/50	(0%)	0/50	(0%)				
										0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence										Total	0/300	(0%)	Mean	0%	SD	0%			
.....																			
#Vagina:																			
Polyp																			
										2/50	(4%)	0/50	(0%)	0/50	(0%)				
										0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence										Total	2/300	(0.67%)	Mean	0.67%	SD	1.63%			
.....																			
#Vagina:																			
Sarcoma																			
										0/50	(0%)	0/50	(0%)	1/50	(2%)				
										0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence										Total	1/300	(0.33%)	Mean	0.33%	SD	0.82%			
.....																			
#Zymbal's Gland:																			
Adenoma																			
										0/50	(0%)	0/50	(0%)	0/50	(0%)				
										0/50	(0%)	0/49	(0%)	0/50	(0%)				
Overall Incidence										Total	0/299	(0%)	Mean	0%	SD	0%			
										Total	0/300	(0%)	Mean	0%	SD	0%			

#: Denominator is number of animals necropsied

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Vehicle: AIR

Report Date:10/04/2007

Male														Female					
#Zymbal's Gland: Carcinoma																			
		1/50	(2%)	0/50	(0%)	1/50	(2%)			1/50	(2%)	1/50	(2%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%	Total	3/300	(1%)	Mean	1%	SD	1.1%					
.....																			
#Zymbal's Gland: Carcinoma or Adenoma																			
		1/50	(2%)	0/50	(0%)	1/50	(2%)			1/50	(2%)	1/50	(2%)	0/50	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	2/299	(0.67%)	Mean	0.67%	SD	1.03%	Total	3/300	(1%)	Mean	1%	SD	1.1%					

#: Denominator is number of animals necropsied